Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (Currently amended) A microfluidic system comprising first and second fluid supply sources, the first and second supply sources supplying at least a first and second microfluidic reactors arranged in parallel via an upstream channel or channels, said upstream channel or channels positioned before the microfluidics reactors, the at least first and second reactors each having at least one downstream channel which is positioned after the reactors, wherein for at least one reactor, the resistance of each of its upstream channels is at least 10 times larger than the resistance of the downstream channel or channels.

Claim 2 (Previously Presented) A microfluidic system according to claim 1 wherein there are at least 1000 microfluidic reactors, each having an upstream channel from the first and second fluid supply streams, and a downstream channel.

Claim 3 (Canceled)

Claim 4 (Previously Presented) A microfluidic system according to claim 1, wherein the resistance of the upstream channels is at least 100 times larger than the resistance of the downstream channels.

Claim 5 (Previously Presented) A microfluidic system according to claim 1, wherein the microfluidic reactors are all identical.

Claim 6 (Previously Presented) A microfluidic system, according to claim 1, wherein the resistance of the upstream channels of substantially all the reactors is higher than the resistance of the downstream channel or channels.

Claim 7 (Withdrawn): A process for preparing a two phase composition using a microfluidic system comprising first and second fluid supply sources supplying first and second microfluidic reactors via an upstream channel, the first and second reactors each having at least one downstream channel, wherein for at least one reactor, the resistance of each of its upstream channels is at least 10 times larger than the resistance of the downstream channel or channels; wherein for at least one reactor, one upstream channel becomes a continuous phase and one upstream channel becomes a dispersed phase in a downstream channel.

Claim 8 (Withdrawn) Process according to claim 7, wherein the process is for preparing an oil and water containing composition.

Claim 9 (Withdrawn) Process according to claim 8, wherein the oil and water containing composition is selected from the group comprising food products and personal care products.

Claim 10 (Withdrawn) Process according to claim 9, wherein the food products are selected from the group comprising sauces, dressings, spreadable emulsions, fresh cheese, cream cheese and mayonnaise.

Claim 11 (Withdrawn) Process according to claim 9, wherein the personal care products are selected from the group comprising skin cream, shampoo, liquid soap.

Claim 12 (Withdrawn) Process according to claim 7, wherein the two fluid sources have a viscosity ratio of at least 5, when measured at $1s^{-1}$ at 25°C.